

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Dorothy Nguyen

GENERAL INFORMATION:

Name:	Universal Fasteners, Inc.
Address:	P.O. Box 302, Lawrenceburg, Kentucky 40342
Date application received:	February 20, 2002
SIC/Source description:	3964/ Garment Fasteners Manufacturing
AFS Plant ID:	21-005-00006
Application log number	G302
Revision log number:	54431
Permit number:	V-99-047(Rev1)

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
x Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	3.98	9.59
SO ₂	0.04	0.04
NO _x	7.45	7.45
CO	0.14	0.14
VOC*	57.4	90.0
HAP > 10 tpy (by CAS)	24.6	60.9
Xylene	7.89	9.07

*Source has accepted an allowable of 90 tons/year.

SOURCE PROCESS DESCRIPTION:

Universal Fasteners fabricates metal fasteners such as might be found on denim jeans and jackets. This includes buttons and snaps, but not zippers. The fasteners are stamped from sheet metal of various types, with an embossed logo representing the customer's clothing name. These fasteners are cleaned, deburred, polished, chromated or electroplated, then a decorative paint is applied in one of several types of machines. Sludge from plating lines is treated in the plant and dried in a sludge dryer before being disposed of offsite. The permit is for a proposed construction/significant permit revision of UFI's Title V permit pursuant to 401 KAR 52:020 Section 16. The source is proposed to add an Automatic Spray Booth and Four Tumble Spray Machines.

Applicable regulations:

401 KAR 59:010 applies to PM generated by the above listed facilities.

401 KAR 63:060 applies to HAPS emitted at all affected facilities.

401 KAR 61:015 applies to the boilers, E.P. 10.

EMISSION AND OPERATING CAPS DESCRIPTION

UFI is major for HAPs and VOC emissions. The source wishes to put limit on the VOC emissions to less than 90.0 tons per year, so they would not be subject to 401 KAR 59:225, New miscellaneous metal parts and products surface coating operations as a major source. The permit will require recordkeeping to show VOC emissions.

CREDIBLE EVIDENCE:

This permit contains provisions which require that specific test methods, monitoring or recordkeeping be used as a demonstration of compliance with permit limits. On February 24, 1997, the U.S. EPA promulgated revisions to the following federal regulations: 40 CFR Part 51, Sec. 51.212; 40 CFR Part 52, Sec. 52.12; 40 CFR Part 52, Sec. 52.30; 40 CFR Part 60, Sec. 60.11 and 40 CFR Part 61, Sec. 61.12, that allow the use of credible evidence to establish compliance with applicable requirements. At the issuance of this permit, Kentucky has not incorporated these provisions in its air quality regulations.